Axis solution improves safety in Thai private school.
Raising educational standards with the help of an integrated security system.

Organization:
Baiboonlamphun School

Location:
**Lamphun province,
Thailand**

Industry segment:
Education

Application:
**Student safety,
classroom monitoring**

Axis partners:
**Digitalcom, Lanna
Telecom and Network,
Milestone**

Mission
As one of the busiest educational facilities in the region, Baiboonlamphun School's highest priority is the safety and security of its students and teachers. In addition, the school's management team has a vision of introducing technology that has the potential to improve the quality of the education provided as well as greatly enhancing security and safety.

Solution
Digitalcom deployed a network camera system that allows the school to monitor classrooms and other indoor areas as well as balconies and the areas behind buildings. This allows management to keep an eye out for the safety of students as well as observe classroom dynamics to give feedback to teachers.

Result
By remotely accessing the system, school management can now examine each classroom to ensure teachers are getting the most out of their students. Students' parents now also have a greater confidence in the safety of their children due to the video coverage of the playground, behind buildings and at the school gates.

AXIS®
COMMUNICATIONS

"The welfare of our students is always top of mind and alongside security and safety we also pride ourselves on developing our students' academic potential by taking advantage of the latest global technological advances. That's why we have chosen Axis, not only to protect our entire school community but also to use it to improve the learning and teaching process."

Mr. Phachernvas Srichai, Director of Baiboonlamphun School.

An important school

Baiboonlamphun School is one of the largest private schools in Lamphun province, offering courses from kindergarten to primary levels. The vision of the school is to provide pupils with a sound basic knowledge in varying fields while instilling virtue and morality, through to the development of their academic potential, while keeping up with global technological advances. The school maintains the highest management and academic standards in order to provide an education of the best quality and efficiency for its pupils. In addition, the management team has the vision of introducing state of the art technology to improve the quality of the education provided and enhance security and safety in the school.

A dated legacy system

The first priority for the school is the safety and the security of the pupils and their teachers along with the security of their belongings. Previously, the school had implemented a closed circuit TV system to protect students and monitor activity. However this analog CCTV system did not cover the entire area of the school.

Several problems were encountered during the installation of the CCTV cameras, particularly in the laying of electrical and coaxial cables which send the CCTV electronic signals throughout the 4-story school building. It soon became apparent that if more analog cameras were required at any point, the costs both of installation and maintenance would be extremely high. Hence, Lanna Telecom and Network proposed network cameras with much lower installation and maintenance costs. The school's management team was very impressed by a network camera demonstration, particularly appreciating the 'Live View' capability that enables authorized staff to view cameras in the school remotely over any Internet connection.

Planning and installation

In seeking a security solution for the school, management chose AXIS M1011 Network Cameras, small units suitable for use indoors. The solution provides multiple, individually-configurable video streams that are compressed using the H.264 protocol.

This ensures compact file sizes, as well as offering the 'Intelligent Video' motion-detection capability coupled with an alert system known as a 'Tempering Alarm' to warn security personnel of any activity. AXIS M1011 Network Cameras have been set up in every classroom from kindergarten to primary classes, as well as on every balcony and area behind each building.

For areas outdoors and around the school grounds, AXIS M1113 Network Cameras have been installed to provide configurable video streams in H.264 format, whilst also providing motion detection capabilities with the 'Tampering Alarm' feature.

The school's management also chose software from Milestone Systems to help manage the large amount of video images recorded in the school and on its grounds. The software uses four screens to display the images, providing a clear view of the entire school environment ensuring the safety of pupils and others.

Why Axis and Milestone?

Lanna Telecom and Network closely studied the Axis network cameras and Milestone XProtect® software, taking into account many public and private sector customer references from around the world. After careful consideration they identified the Axis network cameras and Milestone XProtect® software as the best fit for the school.

Evaluation

Now that the system has been implemented, the school's management is very satisfied with the quality and efficiency of the solution. By remotely accessing the system they can monitor the teaching styles of teachers and gauge the atmosphere in every classroom. They can also view the activities in the school's playground, behind the buildings and at the entry and exit gates. The pupils' parents can also have confidence in the security system and can be sure that their children are being safely cared for by the teachers. Besides responding to the vision of the current school's management, the security system also focuses on technology utilisation that will serve well into the future. All of these aspects are beneficial for the school, the pupils and the pupils' parents.